Installation of Mounting Hardware for Double-Barbed Chemical Traps, Edwards E2M5 Vacuum Pump

Agilent has responded to customers' suggestions by developing the double-barbed chemical trap system for the E2M5 vacuum pump, which reduces both the overall height of the vacuum pump assembly and the cost of replacement chemical traps.

Installation of Mounting Hardware

1. Remove the flanged chemical trap from your vacuum pump: loosen the hose clamp on the vacuum hose at the top of the chemical trap and pull the hose off.
2. Unscrew and remove the clamp at the base of the chemical trap.
3. Remove the chemical trap and the centering O-ring from the flange.
4. Using a large adjustable wrench or channel-lock pliers, unscrew the stainless steel flange from the inlet of the vacuum pump. This NW25 flange seals to the pump via an O-ring; make sure this O-ring is also removed.
5. Save all parts which are removed from the pump and store them with your pump accessories.
6. From the upgrade kit, slide the new O-ring over the threaded portion of the gray barbed fitting and push it all the way up to the hexagon. Screw this assembly into the inlet of the vacuum pump and tighten slightly with a wrench.
7. There are two red plastic panels, one on each side of the pump. Remove the panel which is on the same side as the power cord by unscrewing the allen bolts (the proper size allen wrench was included with the vacuum pump accessories).
8. Using the longer allen bolts included with the upgrade kit, attach the aluminum plate to the pump body.
9. Push one end of the 15" vacuum hose all the way onto the barbed fitting at the pump inlet and tighten a hose clamp over the connection.

Installation of Double-Barbed Chemical Trap

1. Remove protective caps from the barbs on the chemical trap.
2. Hold the trap so that the elbow is at the bottom and press it firmly into the two clamps on the side of the pump.
3. Connect the 15” vacuum hose to the top of the trap with the hose clamp.
4. Connect the vacuum hose from the Chemiluminescent Detector to the barb at the bottom of the trap.

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